

Publication #: APUN40C7000 Rev. Date: 5/28/12

Service Bulletins:

2010 LED Option Byte Table

Quick Part List:

Version	Parts No	Short Description
ALL	BN44-00375A	Power PCB
SS02	BN81-05858A	T-CON PCB
SQ01	BN94-02757B	Main PCB
SS02	BN94-04739A	Main PCB
ALL	BN96-14742A	Function & IR PCB
SQ01	BN07-00862A	Panel
SQ01	BN81-04354A	T-CON PCB
ALL	BN63-06543B	Back Bottom Cover
ALL	BN96-13118A	Front Cover
ALL	BN96-13125A	Rear Cover
ALL	BN96-13131A	Stand Guide
ALL	BN96-13132A	Stand Base
ALL	BN40-00164A	Tuner
ALL	BN59-01055A	Remote
ALL	BN96-12723P	LVDS Cable
ALL	BN96-12845D	Power Cord
ALL	BN96-12943A	Speaker Front
ALL	BN96-13406A	Speaker Rear
ALL	BN63-01798B	Cleaning Cloth
SQ01	BN96-10788B	Accessory Pack

FIRMWARE

■ Firmware for Valencia 1G Model. Version : 1035.0
 - Folder Name: T-VALAUSC
 - Related Models: LED: C6400, C6500, C6800, C6900, C7000, C8000
 - Description
 Support Netflix 2.1 and MLB.tv apps.
 Support new TV camera (Model: CY-STC1100)
 Add "3D Optimize" option on Menu for better 3D image.(Only LCD/LED TV)
 And this firmware prevents below issues
 -USB Power Overload' message pops up even USB port is not connected.
 -HDMI ports recognition error and signal loose
 Plug & Play is displayed whenever turning on TV

HELP : 1-888-751-4086 (Tech Support – ASC/SSD)

1-866-894-0637 (FE/ME)

GSPN

[http://service.samsungportal.com/EP/web/portal/jsp/EP_Default1.jsp](http://service.samsungportal.com/EP/web/portal.jsp/EP_Default1.jsp)

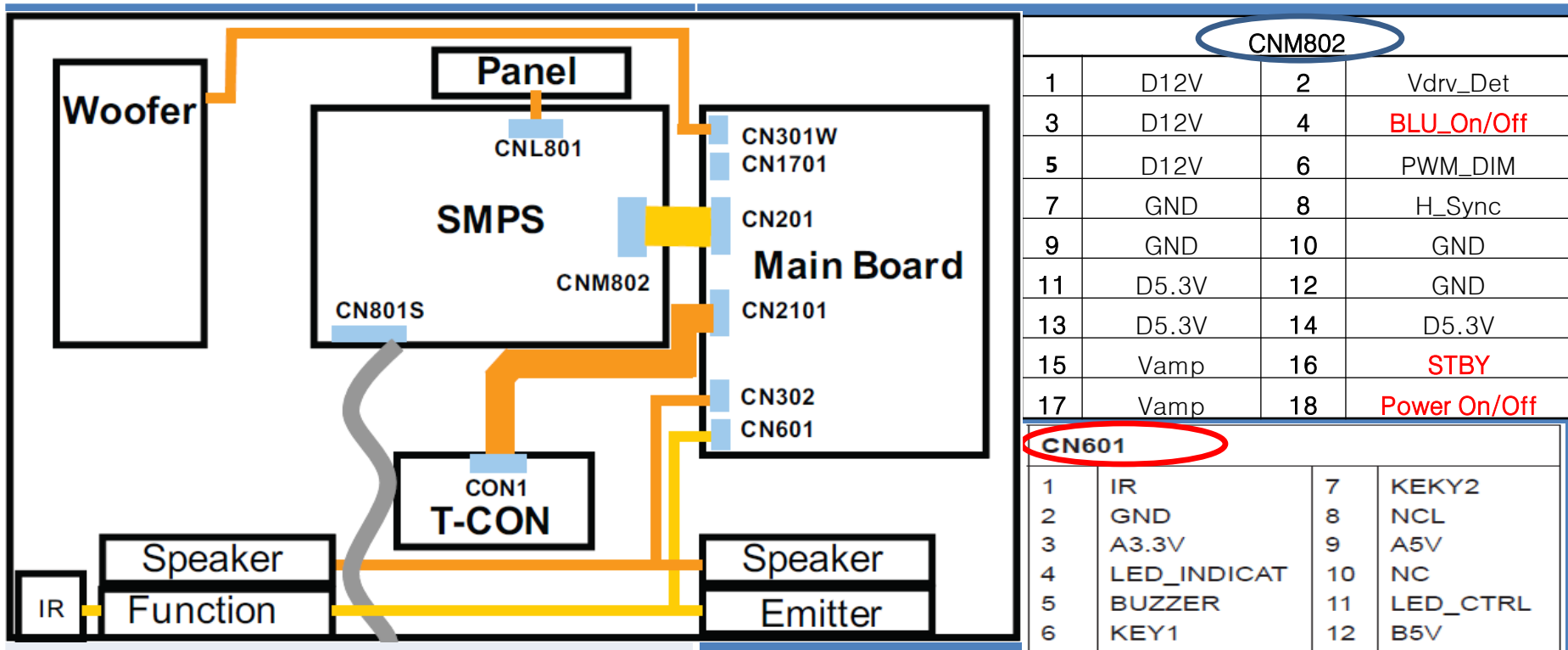
PLUS ONE

<http://my.plus1solutions.net/clientPortals/samsung>

HOT TIPS

Power On Problems: (see **page 3**)

Video Problems: (see **page 4**)



CNM802

1	D12V	2	Vdrv_Det
3	D12V	4	BLU_On/Off
5	D12V	6	PWM_DIM
7	GND	8	H_Sync
9	GND	10	GND
11	D5.3V	12	GND
13	D5.3V	14	D5.3V
15	Vamp	16	STBY
17	Vamp	18	Power On/Off

CN601

1	IR	7	KEY2
2	GND	8	NCL
3	A3.3V	9	A5V
4	LED_INDICAT	10	NC
5	BUZZER	11	LED_CTRL
6	KEY1	12	B5V

CN302(to Speaker)

1	R+
2	R-
3	L+
4	L-

Power On Sequence:

1. Standby Voltage, (CNM802, #16, 5v)
2. Power On, (CNM802, #18, 0-1.5v)
3. Low Voltage Supplies On, (D12, D5.3V)
4. High Voltage Supplies On, (CNM802, #4, BLU_ON)
5. Back Light "On" Confirmation

To Force Backlight On:

1. Remove AC and Main Bd Pwr cable (CN201)
2. Short "Power On/Off" to Stby +5 (CNM802, #16 to #18)
3. Apply AC power
4. Backlight should be on immediately.

TROUBLESHOOTING VIDEO PROBLEMS

1. Verify Video Operation

- Customer Picture Test** (models available)
- "Display"** (If display is OK source is suspected)
- Substitute with known good Source
(external DVD or Signal Generator)

2. Using Test Patterns in Service Mode

- **ENTER SERVICE MODE** -

- Select an active source signal. (HDMI preferred)
Test Pattern may rely on signal source to appear.

Customer Remote

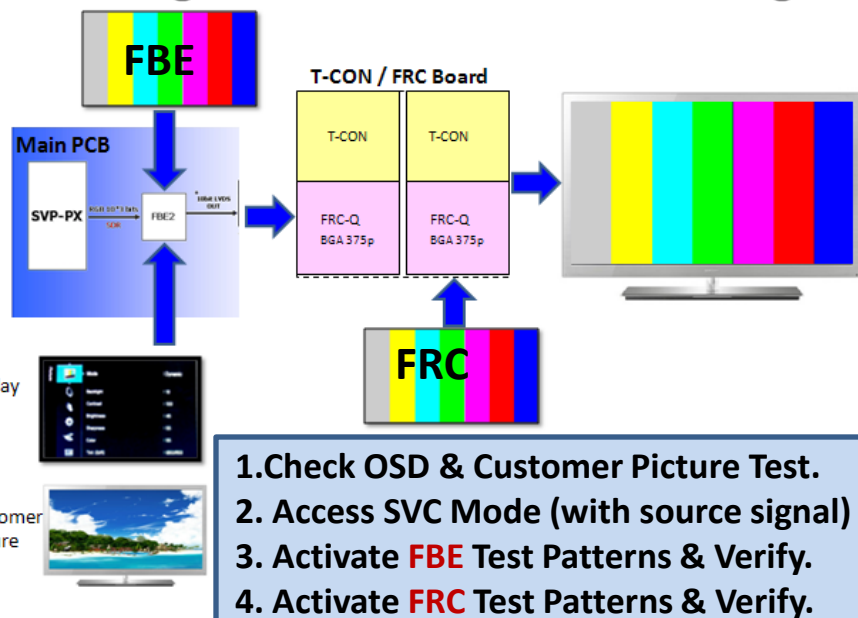
- Power off
- Mute, 182, Power

Service Remote

- Power On
- Info, Test

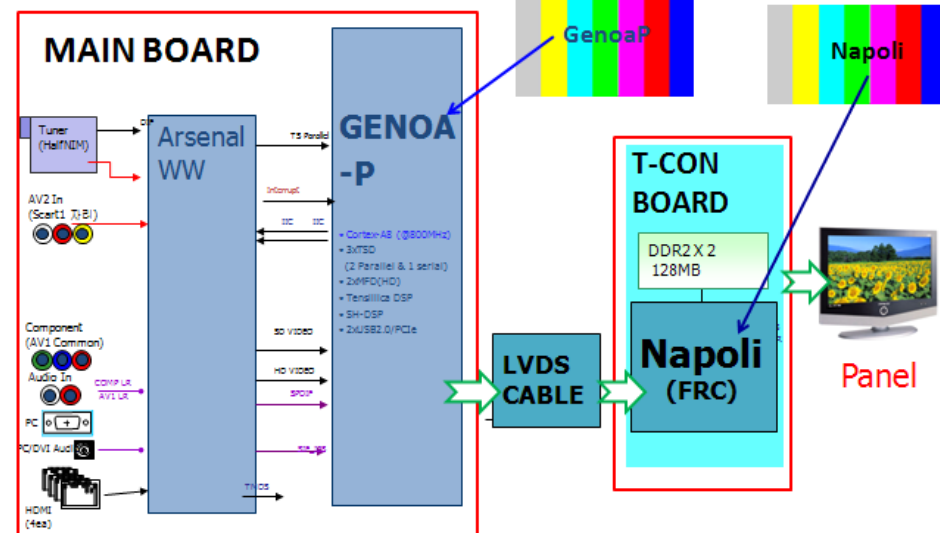
2010 Models

LCD Signal Path for Troubleshooting



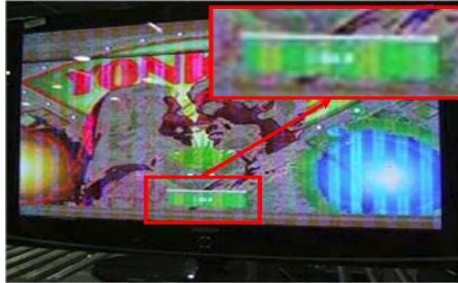
2011 LED 8000 Series

Verify Test Mode Signals



- Select an active source signal. (HDMI preferred)
Test Pattern may rely on signal source to appear.
- Access Service Mode
- Access **SVC**
- Access **Test Patterns**
- Access **Genoa-P**
- Check Test Patterns
- If OK suspect input Source
- Access **Napoli**
- Check Test Patterns
- If OK and Genoa-P was not good
Suspect Main Board or LVDS Cable

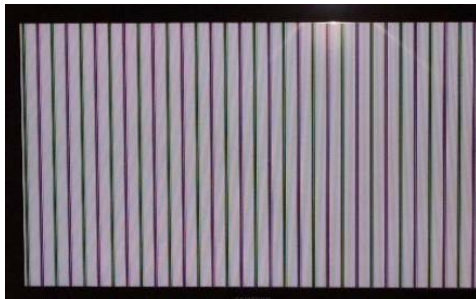
ON SCREEN FAILURE EXAMPLES:



If Picture & Display errors
Defective Main Board,
LVDS,
or T-CON



Green lines or a green screen
defective main board , LVDS , or
T-CON.



Vertical or Horizontal Lines :Defective
Panel likely but also T-CON, LVDS, or Main
Board. Use Test Patterns in Factory Service
Mode to determine error)

De-lamination: PANEL
FAILURE



ALIGNMENTS:

1. Check/Set Option Bytes:

Model Code	UN40C7000WFXZA						
Side Label	Option						
	Type	Model	Tuner	Light Effect	Ch Table	Country	Front Color
SQ01	40A2UF7E	UC7000	SEMCO	OFF	SAMEX	USA	T-M-Brn
SS02	40A2UF1E	UC7000	SEMCO	OFF	SAMEX	USA	T-M-Brn

2. Check/Perform Firmware Upgrade for
all repairs.

3. Perform reset in Service Mode &
Plug and Play if Main board is replaced.

SPECIAL NOTES:

Inform customer of reset of all
Settings if Main Board or Panel is replaced.